CLAIMS

I claim:

1. An apparatus for measuring differences in transmission of light through a lens of an eye of a patient, comprising:

a chart having a test section displaying a selected shade of a test color and a reference section displaying a spectrum of shades of the test color including the selected shade;

means for uniquely identifying each of the shades displayed in the spectrum of the reference section;

means for illuminating the chart; and

means for displaying the chart.

2. The apparatus for measuring differences according to claim 1, said means for uniquely identifying comprises a unique identifying indicia disposed on each of the shades of the spectrum.

3. The apparatus for measuring differences according to claim 1, further comprising a Snellen chart disposed on said chart.

LITMAN LAW
OFFICES, LTD.
P.O. BOX 15035
ARLINGTON, VA 22215
(703) 486-1000

4. The apparatus for measuring differences according to claim 1, wherein said means for illuminating comprises a constant intensity light source.

5. The apparatus for measuring differences according to claim 4, wherein said means for illuminating further comprises a variable intensity light source.

6. The apparatus for measuring differences according to claim 5, wherein said variable intensity light source includes a dimmer.

7. The apparatus for measuring differences according to claim 1, wherein said means for displaying said chart comprises an illumination cabinet.

8. The apparatus for measuring differences according to claim 1, wherein said means for displaying said chart comprises an enclosed box.

LITMAN LAW
OFFICES, LTD.
P.O. BOX 15035
ARLINGTON, VA 22215
(703) 486-1000

9. An apparatus for measuring differences in transmission of light through a lens of an eye, comprising:

a chart having a test section displaying a first shade of a test color and a reference section displaying a second shade of the test color different from the first shade;

a first light source for illuminating the test section;

a second light source for illuminating the reference section, the second light source including means for varying illumination intensity produced by the light source; and

means for displaying the chart.

10. The apparatus for measuring differences according to claim 9, wherein said first light source comprises a constant intensity light source.

11. The apparatus for measuring differences according to claim 10, wherein said second light source comprises a variable intensity light source.

12. The apparatus for measuring differences according to claim 11, wherein said variable light source includes a dimmer.

LITMAN LAW
OFFICES, LTD.
P.O. BOX 15035
ARLINGTON, VA 22215
(703) 486-1000

13. The apparatus for measuring differences according to claim 11, wherein said second light source comprises a plurality of constant intensity light sources of different intensities and at least one light switch electrically connected to said plurality of light sources for electrically switching one of the light switches on at a time.

14. The apparatus for measuring differences according to claim 9, wherein said means for displaying comprises a display box.

15. The apparatus for measuring differences according to claim 9, wherein said first light source comprises a variable intensity light source in order to adjust the test color to any desired shade.

LITMAN LAW
OFFICES, LTD.
P.O. BOX 15035
ARLINGTON, VA 22215
(703) 486-1000

16. A method for measuring differences in transmission of light through a lens of an eye of a patient, comprising the steps of:

displaying a chart having a test section and a reference section, the test section displaying a shade of a test color and the reference section displaying a spectrum of shades of the test color identified by a unique indicia;

illuminating the test section and the reference section with at least one light source;

instructing the patient to match the shade of the test color shown in the test section to one of the shades of the spectrum of the reference section; and

recording the shade from the reference section selected by the patient.

17. The method for measuring differences according to claim 16, wherein said at least one light source comprises a variable intensity light source, the method further comprising the step of adjusting the intensity of light illuminating the test section to a desired shade of the spectrum.

LITMAN LAW
OFFICES, LTD.
P.O. BOX 15035
ARLINGTON, VA 22215
(703) 486-1000